

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/618,896
Source: IFWO
Date Processed by STIC: 7/14/06

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IFWO

RAW SEQUENCE LISTING

DATE: 07/14/2006

PATENT APPLICATION: US/10/618,896

TIME: 08:34:18

Input Set : A:\960296.00096.txt

Output Set: N:\CRF4\07142006\J618896.raw

3 <110> APPLICANT: Ahlquist, Paul
 4 Ishikawa, Masayuki
 5 Barcelona, Juana
 6 Price, Duane
 7 Lee, Wai-Ming
 9 <120> TITLE OF INVENTION: Yeast genes that affect viral replication
 11 <130> FILE REFERENCE: 960296.00096
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/618,896
 C--> 13 <141> CURRENT FILING DATE: 2003-07-14
 13 <160> NUMBER OF SEQ ID NOS: 22
 15 <170> SOFTWARE: PatentIn version 3.3
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 32
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Saccharomyces cerevisiae
 22 <400> SEQUENCE: 1
 24 Leu Arg Val Leu Thr Gln Asp Gly Arg Val Tyr Ile Gly Gln Leu Met
 25 1 5 10 15
 28 Ala Phe Asp Lys His Met Asn Leu Val Leu Asn Glu Cys Ile Glu Glu
 29 20 25 30
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 14
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Saccharomyces cerevisiae
 37 <400> SEQUENCE: 2
 39 Leu Gly Leu Thr Ile Leu Arg Gly Glu Gln Ile Leu Ser Thr
 40 1 5 10
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 32
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Saccharomyces cerevisiae
 48 <400> SEQUENCE: 3
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 51 1 5 10 15
 54 Ser Val Ser Pro Gln Met Asn Ala Ile Leu Thr Asp Val Lys Leu Thr
 55 20 25 30
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 14
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Saccharomyces cerevisiae
 63 <400> SEQUENCE: 4
 65 Leu Gln Tyr Ile Asn Ile Arg Gly Asn Thr Ile Arg Gln Ile
 66 1 5 10

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69 <210> SEQ ID NO: 5
70 <211> LENGTH: 32
71 <212> TYPE: PRT
72 <213> ORGANISM: Saccharomyces cerevisiae
74 <400> SEQUENCE: 5
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77 1           5           10           15
80 Gly Phe Asp Glu Phe Met Asn Val Val Ile Asp Glu Ala Val Glu Ile
81           20           25           30
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85 <211> LENGTH: 14
86 <212> TYPE: PRT
87 <213> ORGANISM: Saccharomyces cerevisiae
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91 Leu Gly Lys Ile Leu Leu Lys Gly Asp Asn Ile Thr Leu Ile
92 1           5           10
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96 <211> LENGTH: 33
97 <212> TYPE: PRT
98 <213> ORGANISM: Saccharomyces cerevisiae
100 <400> SEQUENCE: 7
102 Val Gly Val Lys Leu Lys Phe Asn Ser Thr Glu Tyr Arg Gly Thr Leu
103 1           5           10           15
106 Val Ser Thr Asp Asn Tyr Phe Asn Leu Gln Leu Asn Glu Ala Glu Glu
107           20           25           30
110 Phe
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 14
116 <212> TYPE: PRT
117 <213> ORGANISM: Saccharomyces cerevisiae
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126 <211> LENGTH: 32
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128 <213> ORGANISM: Saccharomyces cerevisiae
130 <400> SEQUENCE: 9
132 Ile Leu Leu Asn Ile Asn Gly Ser Arg Lys Val Ala Gly Ile Leu Arg
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136 Gly Tyr Asp Ile Phe Leu Asn Val Val Leu Asp Asp Ala Met Glu Ile
137           20           25           30
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141 <211> LENGTH: 14
142 <212> TYPE: PRT
143 <213> ORGANISM: Saccharomyces cerevisiae
145 <400> SEQUENCE: 10
147 Ile Gly Met Val Val Ile Arg Gly Asn Ser Ile Ile Met Leu
148 1           5           10

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151 <210> SEQ ID NO: 11
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162 Thr Phe Asp Gln Tyr Ala Asn Leu Ile Leu Gln Asp Cys Val Glu Arg
163 20 25 30
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 14
168 <212> TYPE: PRT
169 <213> ORGANISM: Saccharomyces cerevisiae
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174 1 5 10
177 <210> SEQ ID NO: 13
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179 <212> TYPE: PRT
180 <213> ORGANISM: Schizosaccharomyces pombe
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184 Ile Val Val Leu Arg Asp Gly Lys Lys Leu Ile Gly Ile Leu Arg Ser
185 1 5 10 15
188 Phe Asp Gln Phe Ala Asn Leu Met Leu Gln Tyr Thr Ile Glu Arg
189 20 25 30
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193 <211> LENGTH: 14
194 <212> TYPE: PRT
195 <213> ORGANISM: Schizosaccharomyces pombe
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205 <212> TYPE: PRT
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218 <210> SEQ ID NO: 16
219 <211> LENGTH: 14
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
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225 Arg Gly Ile Phe Val Val Arg Gly Glu Asn Val Val Leu Leu
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Input Set : A:\960296.00096.txt

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230 <211> LENGTH: 31
 231 <212> TYPE: PRT
 232 <213> ORGANISM: Caenorhabditis elegans
 234 <400> SEQUENCE: 17
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 241 20 25 30
 244 <210> SEQ ID NO: 18
 245 <211> LENGTH: 14
 246 <212> TYPE: PRT
 247 <213> ORGANISM: Caenorhabditis elegans
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 251 Gln Gly Phe Met Leu Ile Arg Gly Glu Asn Val Glu Leu Ala
 252 1 5 10
 255 <210> SEQ ID NO: 19
 256 <211> LENGTH: 32
 257 <212> TYPE: PRT
 258 <213> ORGANISM: Saccharomyces cerevisiae
 260 <400> SEQUENCE: 19
 262 Leu Ile Val Ser Thr Leu Glu Asp Arg Ile Leu Val Gly Ser Leu Val
 263 1 5 10 15
 266 Ala Val Asp Ala Gln Met Asn Leu Leu Leu Asp His Val Glu Glu Arg
 267 20 25 30
 270 <210> SEQ ID NO: 20
 271 <211> LENGTH: 14
 272 <212> TYPE: PRT
 273 <213> ORGANISM: Saccharomyces cerevisiae
 275 <400> SEQUENCE: 20
 277 Gly Leu Val Ser Val Pro Arg Arg Ser Val Lys Thr Ile Met
 278 1 5 10
 281 <210> SEQ ID NO: 21
 282 <211> LENGTH: 33
 283 <212> TYPE: PRT
 284 <213> ORGANISM: Artificial
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 287 <223> OTHER INFORMATION: conserved sequence of Sm motif 1
 290 <220> FEATURE:
 291 <221> NAME/KEY: MISC_FEATURE
 292 <222> LOCATION: (1)..(1)
 293 <223> OTHER INFORMATION: X is a hydrophobic amino acid
 295 <220> FEATURE:
 296 <221> NAME/KEY: MISC_FEATURE
 297 <222> LOCATION: (2)..(2)
 298 <223> OTHER INFORMATION: X can be any amino acid
 300 <220> FEATURE:
 301 <221> NAME/KEY: MISC_FEATURE
 302 <222> LOCATION: (3)..(3)
 303 <223> OTHER INFORMATION: X is a hydrophobic amino acid

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305 <220> FEATURE:
306 <221> NAME/KEY: MISC_FEATURE
307 <222> LOCATION: (4)..(4)
308 <223> OTHER INFORMATION: X can be any amino acid
310 <220> FEATURE:
311 <221> NAME/KEY: MISC_FEATURE
312 <222> LOCATION: (6)..(11)
313 <223> OTHER INFORMATION: X can be any amino acid
315 <220> FEATURE:
316 <221> NAME/KEY: MISC_FEATURE
317 <222> LOCATION: (12)..(12)
318 <223> OTHER INFORMATION: X is a hydrophobic amino acid
320 <220> FEATURE:
321 <221> NAME/KEY: MISC_FEATURE
322 <222> LOCATION: (13)..(13)
323 <223> OTHER INFORMATION: X can be any amino acid
325 <220> FEATURE:
326 <221> NAME/KEY: MISC_FEATURE
327 <222> LOCATION: (15)..(15)
328 <223> OTHER INFORMATION: X can be any amino acid
330 <220> FEATURE:
331 <221> NAME/KEY: MISC_FEATURE
332 <222> LOCATION: (16)..(16)
333 <223> OTHER INFORMATION: X is a hydrophobic amino acid
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336 <221> NAME/KEY: MISC_FEATURE
337 <222> LOCATION: (17)..(19)
338 <223> OTHER INFORMATION: X can be any amino acid
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346 <221> NAME/KEY: MISC_FEATURE
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348 <223> OTHER INFORMATION: X is a hydrophobic amino acid
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361 <221> NAME/KEY: MISC_FEATURE
362 <222> LOCATION: (28)..(31)
363 <223> OTHER INFORMATION: X can be any amino acid
365 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/618,896

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; Xaa Pos. ~~1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 21, 22, 25, 26, 27~~
 Seq#:21; Xaa Pos. ~~28, 29, 30, 31, 33~~
 Seq#:22; Xaa Pos. 1, 3, 4, 5, 6, 9, 11, 12, 13, 14

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:21,22

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

M:341 Repeated in SeqNo=21

L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0